Experimental and Molecular Pathology

VOLUME 6, 1967

Editorial Board:

Earl P. Benditt
Ivan L. Bennett
G. J. Cunningham
J. N. P. Davies
S. Allen Edgar
Alfred E. Farah
Sidney Farber
Robert J. Glaser
Alexander Haddow
W. Stanley Hartroft
Morris J. Karnovsky
Henry C. McGill
Joseph L. Melnick
Winfield S. Morgan
Hans Popper
Albert B. Sabin
Carlos Tejada
Tomizo Yoshida

Editors:

Frederick Coulston
Wilbur A. Thomas

Assistant Editors:

Kyu Taik Lee
Robert M. O'Neal

ACADEMIC PRESS
New York and London

Copyright © 1967, by Academic Press Inc.

ALL RIGHTS RESERVED

No part of this volume may be reproduced in any form by photostat, microfilm, or any other means, without written permission from the publishers.

MADE IN THE UNITED STATES OF AMERICA

FUMIGATED 1995

683040

CONTENTS OF VOLUME 6

Number 1, February 7, 1967

Joseph J. Lalich and Hamish Turner. Dilatation of Colon Induced in Rats by β-Aminopropionitrile Feeding 1

Harlan J. Spjut and Marilyn N. Smith. A Comparative Electron Microscopic Study of Human and Rat Colonic Polyps and Carcinomas 11

John U. Balis, An Soo Chan, and Patrick E. Conen. Morphogenesis of Human Aortic Coarctation 25

Frederick H. Shipkey, Robert A. Erlandson, Roller B. Bailey, Virginia I. Babcock, and Chester M. Southam. Virus Biographies. II. Growth of Herpes Simplex Virus in Tissue Culture 39

V. Cioli, B. Silvestrini, and F. Dordoni. Evaluation of the Potential of Gastric Ulceration after Administration of Certain Drugs 68

Brunildo A. Herrero, Allen E. Ecklund, C. Spencer Streett, Duane F. Ford, and John K. King. Experimental Botulism in Monkeys—A Clinical Pathological Study 84

G. W. Richter. Serological Cross-Reactions of Human, Rat and Horse Ferritins 96

M. N-I. Walters, J. M. Papadimitriou, and K. B. Shilkin. Inflammation Induced by Dimethylsulfoxide (DMSO). I. Ultrastructural Investigation of Preinflammatory Phase 106

Ascher L. Mestel and David M. Spain. Differences in Bone Formation Induced by Urinary Bladder Autografts and Pedicle Grafts 118

Harry B. Neustein. Fine Structure of a Melanotic Progonoma or Retinal Anlage Tumor of the Anterior Fontanel 131

Number 2, April 1967

Ramzi S. Cotran. Delayed and Prolonged Vascular Leakage in Inflammation III. Immediate and Delayed Vascular Reactions in Skeletal Muscle 143

S. W. Jordan. Ultrastructural Studies of Spleen after Whole Body Irradiation of Mice 156

Zina Gori, C. Pellegrino, and Maria Pollera. The Castration Atrophy of the Dorsal Bulbocavernosus Muscle of Rat: An Electron Microscopic Study 172

Josephine S. Salser, Daniel G. Miller, and M. Earl Balis. Interaction of 6-Mercaptopurine and Antiens with Cellular Syntheses 199

Komei Nakao, Alfred Angrist, and Peter Mao. Collagen and Platelet Interaction in Experimental Vegetative Cardiac Valvular Lesions 213

Michael Kyriakos and John M. Kissane. Nephrotoxic Nephritis in Rats: Quantitative Histochemistry of Isolated Glomeruli 223

H. Ungar and I. S. Levij. Effect of Alpha-Naphthyl-Isothiocyanate (ANIT)

on Rat Livers, Studied with Colchicine and with ^{3}H-Thymidine Autoradiography ... 232
Seymour Levine, Ralph Strebel, Hushang Payan, and Bernard Wagner. Experimental Tissue Calcification. II. Calcification and Regeneration of Thymus ... 237
W. J. S. Still and Susan M. Dennison. Reaction of the Arterial Intima of the Rabbit of Trauma and Hyperlipemia ... 245
F. Kume, S. Maruyama, A. N. D'Agostino, and M. Chiga. Nucleolar Change Produced by Mitramycin in Rat Hepatic Cell ... 254
Julio M. Frasca, Oscar Auerbach, Verta R. Parks, and Walther Stoeckenius. Electron Microscopic Observations of Bronchial Epithelium. I. Annulate Lamellae ... 261
Joseph A. Sisson and E. Jürgen Plotz. Effect of Alloxan Diabetes on Maternal and Fetal Serum Lipids in the Rabbit ... 274
Announcement ... 282

Number 3, June 1967

P. M. Newberne, C. E. Hunt, and G. N. Wogan. Neoplasms in the Rat Associated with Administration of Urethan and Aflatoxin ... 285
M. Daria Haust, Robert H. More, Sergio A. Bencosme, and John U. Balis. Electron Microscopic Studies in Human Atherosclerosis. Extracellular Elements in Aortic Dots and Streaks ... 300
Hertha R. Cress, Alexander Spock, and Duncan C. Hetherington. Localization of ATPase in Cilia of Rabbit Trachea ... 314
Stanley H. Shapiro and Sydney S. Lazarus. Membrane Discontinuities and Secretory Granule Formation in Rabbit Pancreatic Acinar Cells ... 320
J. L. Schardein, E. T. Woosley, M. A. Peltzer, and D. H. Kaump. Congenital Malformations Induced by 6-Aminonicotinamide in Rabbit Kits ... 33
J. M. Papadimitriou, K. B. Shilkin, J. M. Archer, and M. N-I. Walters. Inflammation Induced by Dimethylsulfoxide (DMSO) II. Ultrastructural Investigation of the Inflammatory Phase ... 34
Franklin M. Klion and Fenton Schaffner. Ultrastructural Features of Canine Hepatic Auxiliary Transplant Rejection ... 36
R. G. Mason and M. S. Read. Platelet Response to Six Agglutinating Agents: Species Similarities and Differences ... 37
V. D. Soloviev, N. R. Gutman, A. M. Amchenkova, G. G. Goltsen, and A. F. Bykovsky. Fine Structure of Cells Infected with Respiratory Strains of Echovirus. II ... 38
David Kritchevsky and Shirley A. Tepper. Cholesterol Vehicle in Experimental Atherosclerosis. X. Influence of Specific Saturated Fatty Acids ... 39
Giovanni Battista Candiani, Giulio Lanzavecchia, and Costantino Mangioni. Electron Microscopical Findings on the Intestinal Epithelium in Rectal and Sigmoid Artificial Bladders ... 4
Author Index ... 4
Subject Index ... 4